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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics
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ANIMAL UNITS OF LIVESTOCK FED ANNUALLY
1947-48 to 1949-50

This report brings to date the data on animal units reported in "Animal Units of Livestock Fed Annually, 1919-20 to 1948-49" (F.M. 64 revised) issued by the Bureau of Agricultural Economics in October 1949. It includes also a preliminary estimate for the 1949-50 feeding year. These preliminary estimates are based on the numbers of livestock on farms January 1, 1950, on the pig crop report of December 1949, on the report of cattle on feed issued in January 1950, on the report of intentions to raise turkeys dated January 18, 1950, and on the report of intended purchases of baby chicks dated February 10, 1950. The animal units for chickens and turkeys raised in 1950 were obtained in each case by multiplying the respective 1949 figures for each State by the percentage that 1950 intentions are of the 1949 number. The number of broilers assumed to be raised in 1950 was 105 percent of the number raised in 1949. The intentions to breed for spring farrowings in 1950 as a percentage of 1949 sows farrowed was used in calculating the number of pigs fed and the animal units for 1949-50.

Three sets of animal units are presented in this report (1) grain-consuming livestock, (2) roughage-consuming livestock, and (3) grain-and roughage-consuming livestock. Animal units of grain-consuming livestock are intended to show the number of all kinds of livestock combined that consume concentrated feeds of all kinds, including grain and byproduct feeds but excluding corn in silage. Animal units of roughage-consuming livestock are intended to show the number of all kinds of livestock combined that consume hay, silage, stover, straw, pasture, range forage, and other roughages. Animal units of grain-and roughage-consuming livestock are intended to show the number of all kinds of livestock combined that consume all feed, including concentrates, hay, pasture, and other roughage.

Animal units were constructed so that they represent about the same quantity of feed in one part of the country as in another. An "average" milk cow in the United States is used as the base animal unit in this study. An average milk cow in New York consumes more feed than does the average cow in the United States and therefore is more than one animal unit, but in several other States the average milk cow is less than one unit. Animal units given in this report are designed to apply at the State and national level but they are not necessarily suitable for applying to individual farms or groups of farms.

Regions

The States included in the regions shown in tables 3, 4, and 5 are as follows:

New England - Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Lower Northeastern - New York, Pennsylvania, New Jersey, Delaware, and Maryland.

Cornbelt - Ohio, Indiana, Illinois, Iowa, and Missouri.

Lake - Michigan, Wisconsin, and Minnesota.

Northern Plains - North Dakota, South Dakota, Nebraska, and Kansas.

Appalachian - Virginia, West Virginia, Kentucky, Tennessee, and North Carolina.

Southeastern - South Carolina, Georgia, Florida, and Alabama.

Delta - Arkansas, Mississippi, and Louisiana.

Southern Plains - Oklahoma and Texas.

Mountain and Intermountain - Montana, Idaho, Wyoming, Colorado, Utah, and Nevada.

Southwestern - New Mexico and Arizona.

Pacific Coast - Washington, Oregon, and California.

Table 1.- Animal units of principal livestock on farms in
the United States 1909 to 1949 1/

Year : beginning: October 1:	Grain- consuming:	Roughage- consuming:	Grain and: roughage- consuming:	Year : beginning: October 1:	Grain- consuming:	Roughage- consuming:	Grain and: roughage- consuming:
:Thousands	:Thousands	:Thousands	:Thousands	:Thousands	:Thousands	:Thousands	:Thousands
1909	: 131,579	69,535	84,363	1930	: 152,401	70,737	90,371
1910	: 140,153	69,272	86,280	1931	: 156,047	72,276	92,398
1911	: 139,005	68,343	85,346	1932	: 159,295	74,628	95,010
1912	: 137,906	68,429	85,176	1933	: 153,688	77,356	95,435
1913	: 138,747	69,980	86,555	1934	: 131,054	72,613	86,622
1914	: 145,103	72,146	89,728	1935	: 138,509	71,334	87,555
1915	: 149,608	74,163	92,326	1936	: 137,612	69,686	86,255
1916	: 147,878	76,053	93,292	1937	: 137,678	68,356	85,284
1917	: 154,356	77,628	95,990	1938	: 148,501	68,191	37,893
1918	: 157,717	77,663	96,746	1939	: 156,043	70,063	90,902
1919	: 150,794	76,291	94,270	1940	: 155,957	72,158	92,411
1920	: 148,619	74,766	92,651	1941	: 167,343	75,215	98,009
1921	: 151,664	74,571	92,979	1942	: 192,447	78,206	105,777
1922	: 163,126	73,693	95,105	1943	: 193,160	79,944	107,002
1923	: 162,133	72,791	93,849	1944	: 173,683	78,726	101,684
1924	: 150,694	71,146	89,756	1945	: 167,818	75,347	97,728
1925	: 148,909	69,343	87,955	1946	: 161,365	72,822	94,312
1926	: 152,446	67,724	87,689	1947	: 155,688	69,420	90,402
1927	: 153,022	67,237	87,521	1948 <u>2/</u>	: 162,956	68,162	90,827
1928	: 152,676	68,154	88,111	1949 <u>2/</u>	: 170,031	68,678	92,972
1929	: 153,616	69,355	89,642	:	:	:	:
:	:	:	:	:	:	:	:

1/ Does not include minor livestock on farms or livestock in cities. Animal units of the different kinds of livestock from 1909 to 1918 were calculated by relating the average number of specified kinds of livestock on farms in the United States January 1, 1920 to 1924 to the animal units of the particular class of livestock for the 5-year period. The factor thus obtained was applied to the number of that particular kind of livestock for each year from 1910 to 1919 to obtain the animal units. Animal units for the six principal kinds of livestock were added to give the total shown in the table.

2/ Preliminary.

Table 2.- Animal units of livestock fed annually year beginning October 1

Group of States	Grain-consuming			Roughage-consuming			Grain and roughage-consuming		
	livestock			livestock			livestock combined		
	1947 revised	1948 prelim- inary	1949 prelim- inary	1947 revised	1948 prelim- inary	1949 prelim- inary	1947 revised	1948 prelim- inary	1949 prelim- inary
	1,000 units	1,000 units	1,000 units	1,000 units	1,000 units	1,000 units	1,000 units	1,000 units	1,000 units
Maine	622	687	725	222	211	210	325	331	338
New Hampshire	404	431	455	118	114	113	190	194	201
Vermont	568	572	574	420	420	416	458	459	458
Massachusetts	907	854	963	191	183	183	360	359	367
Rhode Island	105	109	113	29	28	28	48	47	48
Connecticut	692	724	757	174	163	172	303	306	317
New York	4,185	4,260	4,354	2,138	2,151	2,175	2,722	2,749	2,790
New Jersey	1,447	1,576	1,665	236	234	237	528	556	582
Pennsylvania	5,156	5,355	5,438	1,657	1,657	1,670	2,484	2,528	2,564
Delaware	814	1,023	1,063	59	56	55	234	279	287
Maryland	1,521	1,624	1,691	366	366	376	654	675	701
Ohio	7,532	7,902	8,279	2,035	1,978	1,968	3,383	3,430	3,511
Indiana	8,144	8,801	9,420	1,557	1,510	1,504	3,211	3,340	3,489
Illinois	12,151	12,588	13,574	2,469	2,372	2,419	4,823	4,856	5,133
Iowa	19,464	21,201	22,958	3,164	3,285	3,349	7,183	7,718	8,198
Missouri	8,388	8,972	9,730	2,703	2,634	2,681	4,034	4,109	4,332
Michigan	3,502	3,660	3,892	1,722	1,704	1,716	2,166	2,189	2,259
Wisconsin	6,950	7,103	7,185	3,693	3,610	3,595	4,539	4,513	4,524
Minnesota	8,985	9,407	9,922	3,036	2,943	2,911	4,470	4,509	4,623
North Dakota	1,786	1,793	1,832	1,348	1,301	1,287	1,430	1,401	1,403
South Dakota	3,588	3,644	3,827	2,093	2,072	2,026	2,416	2,409	2,421
Nebraska	6,712	6,978	7,076	2,960	2,939	2,958	3,757	3,805	3,847
Kansas	4,170	4,319	4,367	2,703	2,798	2,863	3,055	3,170	3,235

- Continued -

Table 2.- Animal units of livestock fed annually year beginning October 1. - Continued

Group of States	Grain-consuming livestock			Roughage-consuming livestock			Grain and roughage-consuming livestock combined		
	1947 revised	1948 prelim- inary	1949 prelim- inary	1947 revised	1948 prelim- inary	1949 prelim- inary	1947 revised	1948 prelim- inary	1949 prelim- inary
Virginia	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
West Virginia	2,656	2,832	2,911	970	977	1,002	1,390	1,437	1,476
Kentucky	1,049	1,097	1,109	514	516	519	643	656	660
Tennessee	3,290	3,420	3,514	1,485	1,495	1,494	1,986	2,031	2,052
North Carolina	3,201	3,181	3,341	1,174	1,135	1,162	1,635	1,599	1,661
	3,092	3,144	3,219	673	655	674	1,276	1,275	1,307
South Carolina	1,649	1,651	1,654	322	307	313	638	634	633
Georgia	3,384	3,465	3,625	817	782	823	1,465	1,454	1,529
Florida	1,016	1,034	1,055	644	629	684	787	781	834
Alabama	2,521	2,581	2,781	788	754	802	1,223	1,209	1,298
Mississippi	2,557	2,555	2,593	1,083	1,049	1,110	1,410	1,384	1,437
Arkansas	2,142	2,318	2,403	791	785	824	1,105	1,143	1,190
Louisiana	1,381	1,383	1,384	886	859	905	1,035	1,018	1,055
Oklahoma	2,733	2,789	2,811	1,774	1,715	1,803	2,000	1,971	2,047
Texas	6,734	6,868	6,831	7,907	7,470	7,591	7,630	6,935	6,995
Montana	726	740	677	1,934	1,933	1,803	1,634	1,641	1,528
Wyoming	369	355	351	1,334	1,248	1,231	1,102	1,034	1,021
Colorado	1,245	1,287	1,274	1,781	1,730	1,685	1,649	1,622	1,584
Idaho	701	717	685	1,069	1,051	1,026	982	973	946
Utah	596	661	615	832	812	799	775	776	756
Nevada	93	95	88	548	554	557	449	451	453
New Mexico	351	351	344	1,175	1,187	1,174	969	970	959
Arizona	192	182	176	776	735	740	640	600	603
Washington	1,221	1,254	1,250	902	893	902	964	971	969
Oregon	1,008	1,031	1,016	1,072	1,130	1,109	1,039	1,073	1,060
California	3,988	4,382	4,514	3,076	3,022	3,034	3,204	3,257	3,291
United States	155,688	162,956	170,081	69,420	68,162	68,678	90,402	90,827	92,972

Table 3.- Animal units of grain-consuming livestock fed annually, by kinds of livestock and groups of States, year beginning October 1

Group of States	1947 revised	1948 preliminary	1949 preliminary
	1,000 units	1,000 units	1,000 units
<u>New England</u>			
Horses and mules	164	148	136
Sheep	1	1	1
Dairy cattle	1,052	1,033	1,034
Beef cattle	12	11	11
Hogs	221	221	211
Chickens	1,791	1,897	2,123
Turkeys	57	66	71
Total	3,298	3,377	3,587
<u>Lower Northeastern States</u>			
Horses and mules	702	610	522
Sheep	23	22	21
Dairy cattle	4,459	4,514	4,621
Beef cattle	236	244	244
Hogs	1,373	1,410	1,464
Chickens	6,111	6,793	7,081
Turkeys	219	245	258
Total	13,123	13,838	14,211
<u>Corn Belt States</u>			
Horses and mules	1,898	1,629	1,404
Sheep	327	293	280
Dairy cattle	7,164	6,929	6,924
Beef cattle	5,871	6,689	7,338
Hogs	30,398	33,231	37,429
Chickens	9,527	10,067	9,903
Turkeys	494	626	683
Total	55,679	59,464	63,961
<u>Lake States</u>			
Horses and mules	895	785	667
Sheep	108	93	96
Dairy cattle	5,659	5,578	5,594
Beef cattle	1,011	1,124	1,176
Hogs	6,843	7,317	8,237
Chickens	4,603	4,847	4,781
Turkeys	318	426	448
Total	19,437	20,170	20,999
<u>Northern Plains States</u>			
Horses and mules	938	835	758
Sheep	198	173	166
Dairy cattle	1,949	1,868	1,869
Beef cattle	2,947	3,532	3,407
Hogs	6,392	6,505	7,182
Chickens	3,696	3,626	3,517
Turkeys	136	195	203
Total	16,256	16,734	17,102
<u>Appalachian States</u>			
Horses and mules	2,098	1,986	1,855
Sheep	52	47	48
Dairy cattle	2,485	2,497	2,573
Beef cattle	276	280	300
Hogs	4,356	4,518	4,879
Chickens	3,854	4,129	4,195
Turkeys	167	217	244
Total	13,288	13,674	14,094

Table 3.- Animal units of grain-consuming livestock fed annually, by kinds of livestock and groups of States, year beginning October 1 - Continued

Group of States	1947 revised 1,000 units	1948 preliminary 1,000 units	1949 preliminary 1,000 units
Southeastern States			
Horses and mules	1,685	1,599	1,502
Sheep	-	-	-
Dairy cattle	1,425	1,377	1,452
Beef cattle	334	317	361
Hogs	3,083	3,127	3,444
Chickens	1,982	2,221	2,251
Turkeys	61	90	105
Total	8,570	8,731	9,115
Delta States			
Horses and mules	1,619	1,542	1,447
Sheep	-	-	-
Dairy cattle	1,197	1,162	1,218
Beef cattle	361	367	423
Hogs	1,421	1,449	1,549
Chickens	1,469	1,712	1,718
Turkeys	13	24	25
Total	6,080	6,256	6,380
Southern Plains States			
Horses and mules	1,135	993	898
Sheep	127	116	122
Dairy cattle	2,109	1,980	2,017
Beef cattle	998	1,058	1,097
Hogs	2,280	2,428	2,463
Chickens	2,581	2,754	2,754
Turkeys	237	328	291
Total	9,467	9,657	9,642
Mountain and Intermountain States			
Horses and mules	191	172	161
Sheep	282	236	208
Dairy cattle	619	605	598
Beef cattle	751	779	710
Hogs	834	914	903
Chickens	913	937	939
Turkeys	140	212	171
Total	3,730	3,855	3,690
Southwestern States			
Horses and mules	73	66	65
Sheep	28	22	20
Dairy cattle	85	81	81
Beef cattle	130	137	124
Hogs	76	80	83
Chickens	140	136	135
Turkeys	11	11	12
Total	543	533	520
Pacific Coast States			
Horses and mules	70	63	57
Sheep	80	70	64
Dairy cattle	1,768	1,761	1,803
Beef cattle	335	377	325
Hogs	903	972	992
Chickens	2,482	2,700	2,847
Turkeys	579	724	692
Total	6,217	6,667	6,780
United States			
Horses and mules	11,468	10,428	9,472
Sheep	1,226	1,073	1,026
Dairy cattle	29,971	29,385	29,784
Beef cattle	13,262	14,915	15,516
Hogs	58,180	62,172	66,836
Chickens	39,149	41,819	42,244
Turkeys	2,432	3,164	3,203
Total	155,688	162,956	170,081

Table 4.- Animal units of roughage-consuming livestock fed annually, by kinds of livestock and groups of States, year beginning October 1

Group of States	1947 revised	1948 preliminary	1949 preliminary
	1,000 units	1,000 units	1,000 units
<u>New England</u>			
Horses and mules	90	80	72
Sheep	12	10	10
Dairy cattle	995	978	983
Beef cattle	36	35	35
Hogs	1	1	1
Poultry	20	20	21
Total	1,154	1,124	1,122
<u>Lower Northeastern States</u>			
Horses and mules	352	306	262
Sheep	92	90	87
Dairy cattle	3,714	3,765	3,854
Beef cattle	211	215	215
Hogs	13	13	13
Poultry	74	75	82
Total	4,456	4,464	4,513
<u>Corn Belt States</u>			
Horses and mules	1,196	1,030	888
Sheep and goats	819	754	740
Dairy cattle	6,039	5,849	5,854
Beef cattle	3,456	3,715	3,968
Hogs	261	277	304
Poultry	155	154	167
Total	11,926	11,779	11,921
<u>Lake States</u>			
Horses and mules	618	542	460
Sheep	278	243	236
Dairy cattle	6,709	6,610	6,625
Beef cattle	710	727	755
Hogs	55	57	61
Poultry	81	78	85
Total	8,451	8,257	8,222
<u>Northern Plains States</u>			
Horses and mules	787	699	636
Sheep	438	396	375
Dairy cattle	2,453	2,351	2,359
Beef cattle	5,312	5,552	5,648
Hogs	55	56	56
Poultry	59	56	60
Total	9,104	9,110	9,134
<u>Appalachian States</u>			
Horses and mules	984	929	861
Sheep	347	318	319
Dairy cattle	2,347	2,362	2,433
Beef cattle	1,024	1,052	1,119
Hogs	51	52	53
Poultry	63	65	66
Total	4,816	4,778	4,851

Table 4.- Animal units of roughage-consuming livestock fed annually, by kinds of livestock and groups of States, year beginning October 1 - Continued

Group of States	1947	1948	1949
	revised	preliminary	preliminary
	1,000 units	1,000 units	1,000 units
<u>Southeastern States</u>			
Horses and mules	430	408	381
Sheep	12	12	10
Dairy cattle	1,087	1,049	1,112
Beef cattle	970	932	1,044
Hogs	41	40	42
Poultry	31	31	33
Total	2,571	2,472	2,622
<u>Delta States</u>			
Horses and mules	588	558	521
Sheep	66	57	59
Dairy cattle	1,168	1,129	1,186
Beef cattle	887	900	1,021
Hogs	27	26	27
Poultry	24	23	25
Total	2,760	2,693	2,839
<u>Southern Plains States</u>			
Horses and mules	655	574	518
Sheep	2,132	1,865	1,907
Dairy cattle	2,043	1,913	1,956
Beef cattle	4,770	4,754	4,922
Hogs	24	25	25
Poultry	57	54	66
Total	9,681	9,185	9,394
<u>Mountain and Intermountain States</u>			
Horses and mules	598	541	507
Sheep and goats	1,769	1,653	1,551
Dairy cattle	1,141	1,111	1,104
Beef cattle	3,962	3,993	3,909
Hogs	9	9	10
Poultry	19	21	20
Total	7,498	7,328	7,101
<u>Southwestern States</u>			
Horses and mules	150	138	134
Sheep and goats	391	374	366
Dairy cattle	166	159	160
Beef cattle	1,243	1,247	1,251
Hogs	1	1	1
Poultry	2	3	2
Total	1,953	1,922	1,914
<u>Pacific Coast States</u>			
Horses and mules	285	259	235
Sheep and goats	584	571	540
Dairy cattle	2,448	2,452	2,508
Beef cattle	1,671	1,699	1,689
Hogs	11	12	13
Poultry	51	57	60
Total	5,050	5,050	5,045
<u>United States</u>			
Horses and mules	6,733	6,064	5,475
Sheep and goats	6,940	6,343	6,200
Dairy cattle	30,310	29,728	30,134
Beef cattle	24,252	24,821	25,576
Hogs	549	569	606
Poultry	640	637	687
Total	69,424	68,162	68,678

Table 5.- Animal units of grain- and roughage-consuming livestock combined, by kinds of livestock and groups of States, year beginning October 1

Group of States	1947 revised	1948 preliminary	1949 preliminary
	1,000 units	1,000 units	1,000 units
<u>New England</u>			
Horses and mules	113	103	93
Sheep	9	8	8
Dairy cattle	1,022	1,005	1,010
Beef cattle	29	28	28
Hogs	53	53	51
Poultry	458	499	539
Total	1,684	1,696	1,729
<u>Lower Northeastern States</u>			
Horses and mules	448	389	335
Sheep	71	68	67
Dairy cattle	4,015	4,069	4,167
Beef cattle	202	207	207
Hogs	332	341	354
Poultry	1,554	1,713	1,794
Total	6,622	6,787	6,924
<u>Corn Belt States</u>			
Horses and mules	1,343	1,154	996
Sheep and goats	654	592	579
Dairy cattle	6,514	6,306	6,310
Beef cattle	3,962	4,366	4,708
Hogs	7,641	8,355	9,408
Poultry	2,520	2,680	2,662
Total	22,634	23,453	24,663
<u>Lake States</u>			
Horses and mules	695	610	518
Sheep and goats	219	192	187
Dairy cattle	6,551	6,458	6,476
Beef cattle	713	757	789
Hogs	1,802	1,926	2,169
Poultry	1,195	1,268	1,267
Total	11,175	11,211	11,406
<u>Northern Plains States</u>			
Horses and mules	787	699	636
Sheep	367	331	313
Dairy cattle	2,307	2,211	2,215
Beef cattle	4,661	4,981	5,022
Hogs	1,663	1,662	1,836
Poultry	903	901	884
Total	10,658	10,785	10,906
<u>Appalachian States</u>			
Horses and mules	1,271	1,198	1,112
Sheep	250	229	230
Dairy cattle	2,362	2,376	2,448
Beef cattle	965	991	1,053
Hogs	1,076	1,116	1,203
Poultry	1,006	1,088	1,110
Total	6,930	6,998	7,156

Table 5.- Animal units of grain- and roughage-consuming livestock combined, by kinds of livestock and groups of States, year beginning October 1 - Continued

Group of States	1947 revised	1948 preliminary	1949 preliminary
	1,000 units	1,000 units	1,000 units
<u>Southeastern States</u>			
Horses and mules	723	686	644
Sheep	8	8	6
Dairy cattle	1,217	1,174	1,243
Beef cattle	884	852	956
Hogs	783	794	874
Poultry	498	564	571
Total	4,113	4,078	4,294
<u>Delta States</u>			
Horses and mules	853	809	755
Sheep	39	34	35
Dairy cattle	1,133	1,098	1,153
Beef cattle	785	799	904
Hogs	360	368	393
Poultry	380	437	442
Total	3,550	3,545	3,682
<u>Southern Plains States</u>			
Horses and mules	780	684	615
Sheep and goats	1,603	1,001	1,034
Dairy cattle	1,974	1,851	1,888
Beef cattle	4,028	4,025	4,160
Hogs	559	595	603
Poultry	686	750	742
Total	9,630	8,906	9,042
<u>Mountain and Intermountain States</u>			
Horses and mules	490	442	413
Sheep and goats	1,378	1,280	1,199
Dairy cattle	1,005	980	973
Beef cattle	3,237	3,268	3,190
Hogs	207	225	223
Poultry	274	302	290
Total	6,591	6,497	6,288
<u>Southwestern States</u>			
Horses and mules	141	130	126
Sheep and goats	296	270	265
Dairy cattle	143	137	138
Beef cattle	971	975	975
Hogs	19	21	21
Poultry	39	37	37
Total	1,609	1,570	1,562
<u>Pacific Coast States</u>			
Horses and mules	241	218	200
Sheep and goats	448	421	401
Dairy cattle	2,134	2,136	2,184
Beef cattle	1,371	1,403	1,385
Hogs	230	248	251
Poultry	782	875	899
Total	5,206	5,301	5,320
<u>United States</u>			
Horses and mules	7,835	7,122	6,443
Sheep and goats	5,342	4,434	4,324
Dairy cattle	30,377	29,801	30,205
Beef cattle	21,808	22,652	23,377
Hogs	14,695	15,704	17,386
Poultry	10,295	11,114	11,237
Total	90,402	90,827	92,972

